

**WEST**

Help

Logout

Main Menu

Search Form

Posting Counts

Show S Numbers

Edit S Numbers

Generate Collection

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: JP 03030499 A Relevance Rank: 99

Entry 1 of 1

File: JPAB

Feb 8, 1991

PUB-NO: JP403030499A

DOCUMENT-IDENTIFIER: JP 03030499 A

TITLE: ELECTRONIC COMPONENT MOUNTING DEVICE

PUBN-DATE: February 8, 1991

INVENTOR-INFORMATION:

NAME

AKATSUCHI, KAZUYUKI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

MATSUSHITA ELECTRIC IND CO LTD N/A

APPL-NO: JP01165888

APPL-DATE: June 28, 1989

INT-CL (IPC): H05K 13/04; B23P 19/00; B23P 19/04; B23P 21/00

ABSTRACT :

PURPOSE: To enable a chip to be transferred from a chip feed section to a board and mounted on it at a high speed by a method wherein a light source is made to protrude under a chip held by a nozzle while a transfer head is in motion and irradiate the chip from the lower side, and the chip is observed through a vacuum unit by a camera provided above the vacuum unit.

CONSTITUTION: A transfer head 10 is moved above a chip feed section 7, a nozzle 17 is made to descend to hold a chip P by suction from the chip feed section, to take up the chip P, and to ascend. The nozzle 17 starts to move toward a board 8 as ascending, a cylinder 41 is operated to make a light source 40 advance under the chip P and turned ON, and the chip P held by the nozzle 17 is observed by a camera 18. A computer computes the positional deviations of the chip P in the directions of X, Y, and  $\theta$ ; from the observation result by the camera 18, the nozzle 17 is made to descend, and the chip P is mounted on the board 8.

COPYRIGHT: (C)1991, JPO&amp;Japio

**BEST AVAILABLE COPY**112 com sub  
patentability

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

[Generate Collection](#)

Term	Documents
JP-03030499-\$	0
JP-03030499-A..JPAB.	1
JP-03030499-\$.DID...JPAB.	1

[Display 10 Documents](#)

including document number

**Display Format:** [FULL](#)[Change Format](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Help](#)[Logout](#)

BEST AVAILABLE COPY